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DROPLET TRANSPORTATION DEVICES AND METHODS HAVING A FLUID SURFACE

ABSTRACT OF DISCLOSURE

Devices for the manipulation of a suspended particle in an electric field gradient include a plurality of electrically isolated electrodes on a surface. A liquid composition is on the plurality of electrodes. The liquid composition covers the surface continuously between adjacent ones of the plurality of electrodes. The liquid composition has an exposed liquid surface for suspending a particle. The plurality of electrodes are configured to provide an electric field gradient for transporting the particle suspended in said liquid composition.